

MAY 29 RECD 30f3

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191245

SEARCH REQUEST FORM

Scientific and Technical Information Center - EIC2800
Rev. 1/26/2006 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date 5/23/06 Serial # 10/807,327 Priority Application Date 10/24/03

Your Name M. Lewis Examiner # _____

AU 9522 Phone 202-1838 Room 5A30

In what format would you like your results? Paper is the default. PAPER DISK EMAIL
If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB
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What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs ☒ Nonpatent Literature ☐ Teaching Refs ☐
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Is this a "Fast & Focused Search" request? (Circle One) YES NO

A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-patr-2/siraapps/stic/npl/nplsearch.htm>

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 1-19

Ferroelectric Capacitor
Reduce Leakage Current

Problem: See page 2 (paragraphs 1-2)
Solution: " " 3 " 2+3
" " 4 " 1
" " 5 " 1

US 2005/0612125
6,656,801

Staff Use Only

Searcher: Paul Kim
Searcher Phone: 2-8949
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Date Searcher Picked Up: 6/1/06
Date Completed: 6/2/06
Searcher Prep/Rev Time: 4hr
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Reconnected in file 2 01jun06 14:59:25

File 2:INSPEC 1898-2006/May W3
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Set	Items	Description
S1	37	AU='AMANUMA, K.'
S2	334243	PY=1998
S3	5	S1 AND S2
S4	1710	AU='YAMAZAKI, T.'
S5	0	ADVANCED 0.5/TI
S6	7	FRAM () DEVICE/TI
S7	0	SUB-40NS/TI
S8	8	CHAIN () FRAM
S9	0	FERROELECTRIC () VOLATILE/TI
S10	35	FERROELECTRIC () NONVOLATILE/TI
S11	0	S10 AND JONES
S12	328221	PY=1997
S13	3	S12 AND S10

Reconnected in file 2 01jun06 15:43:40

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Set	Items	Description
S1	67	CONTACT? () PLUG? ?
S2	238390	PLUG? ? OR PAD? ? OR VIA? ?
S3	97306	INTERCONNECT? OR BURIED () VIAS
S4	2260	(W OR TUNGSTEN) (2N) (CONDUCT? OR CONTACT? OR VIA? ?)
S5	689791	ARRAY? ? OR ARRANGEMENT? ? OR GRID? ? OR MATRI?
S6	4161	ROW? (5N) COLUMN?
S7	1578	LONGITUD? (5N) LATERAL?
S8	3246	UNIFORM? (2N) SPAC????
S9	311563	AROUND OR SURROUND? OR ENCIRCL? OR ENCLOS? OR ENVELOP?
S10	393	FOUR (W) (SIDES OR SIDED OR CLOSEST)
S11	107897	CAPACITOR OR CAPACITIVE OR CAPACITANCE
S12	59672	FERROELEC?
S13	1601	BITLINE? ? OR BIT () LINE? ?
S14	23238	LEAKAGE ()CURRENT? ? OR DRAINAGE
S15	129033	TRANSISTOR? ?
S16	2314	(S1 OR S4)
S17	692836	S5:S7
S18	3639	S8 OR S10
S19	3484	S11 AND S12
S20	0	S16 AND S18 AND S19
S21	0	S16 AND S18 AND (S11 OR S12)
S22	24497	S2 AND S5
S23	17	S22 AND S19
S24	328742	S1:S4
S25	315012	S8:S10
S26	10932	S24 AND S25
S27	60	S26 AND S12
S28	81	S12 AND S15 AND S14
S29	0	S28 AND S26
S30	86	S12 AND S13
S31	0	S30 AND S26
S32	1410	S26 AND S17
S33	5	S32 AND S12
S34	30	S32 AND S11
S35	50	S34 OR S33 OR S23
S36	42	S35 AND PY<=2003
S37	89	4 () SIDE? ?
S38	1	S37 AND (S11 OR S12)

Reconnected in file ENG NOT 2 104 87 34 434 01jun06 16:25:41

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Set	Items	Description
S1	238	CONTACT? () PLUG? ?
S2	1462541	PLUG? ? OR PAD? ? OR VIA? ?
S3	243122	INTERCONNECT? OR BURIED () VIAS
S4	8498	(W OR TUNGSTEN) (2N) (CONDUCT? OR CONTACT? OR VIA? ?)
S5	2493891	ARRAY? ? OR ARRANGEMENT? ? OR GRID? ? OR MATRI?
S6	12365	ROW? (5N) COLUMN?
S7	9594	LONGITUD? (5N) LATERAL?
S8	12551	UNIFORM? (2N) SPAC????
S9	1289528	AROUND OR SURROUND? OR ENCIRCL? OR ENCLOS? OR ENVELOP?
S10	1900	FOUR (W) (SIDES OR SIDED OR CLOSEST)
S11	242037	CAPACITOR OR CAPACITIVE OR CAPACITANCE
S12	126221	FERROELEC?
S13	3274	BITLINE? ? OR BIT () LINE? ?
S14	261314	LEAKAGE () CURRENT? ? OR DRAINAGE
S15	280049	TRANSISTOR? ?
S16	671	4 () SIDE? ?
S17	1691397	S1:S4
S18	2506943	S5:S7
S19	1303195	S8:S10
S20	122038	S17 AND S18
S21	5468	S20 AND S19
S22	18	S21 AND S12
S23	75	S21 AND S11
S24	2	S22 AND S23
S25	4	(S22 OR S23) AND S15
S26	8	S1 AND S18
S27	103254	S18 AND S19
S28	302	S27 AND S12
S29	5	S28 AND S14
S30	4	S28 AND S15
S31	48019	S17 AND S19
S32	149	S31 AND S12
S33	2	S32 AND S14
S34	479	S31 AND S11
S35	45	S34 AND S15
S36	1	S35 AND S14
S37	2	S35 AND S13
S38	26	S24:S26 OR S29 OR S30 OR S33 OR S36 OR S37

S39	22	RD (unique items)
S40	91	S22 OR S23
S41	85	S40 NOT S39
S42	60	RD (unique items)
S43	38	S42 AND PY<=2003

02jun06 11:41:18 User291227 Session D86.1

\$0.00 0.125 DialUnits File415
 \$0.00 Estimated cost File415
 \$0.00 Estimated cost this search
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S1	213187	PLUG? ? OR PAD? ? OR VIAS
S2	552885	PLANAR OR LAYOUT OR SQUARE () SHAPED OR FOOTPRINT OR MICR- OARRAY
S3	204281	CAPACITOR? ?
S4	185898	FERROELEC?
S5	216329	LEAKAGE
S6	409093	TRANSISTOR? ?
S7	5253	S1 AND S2
S8	15	S7 AND S4
S9	10	RD (unique items)